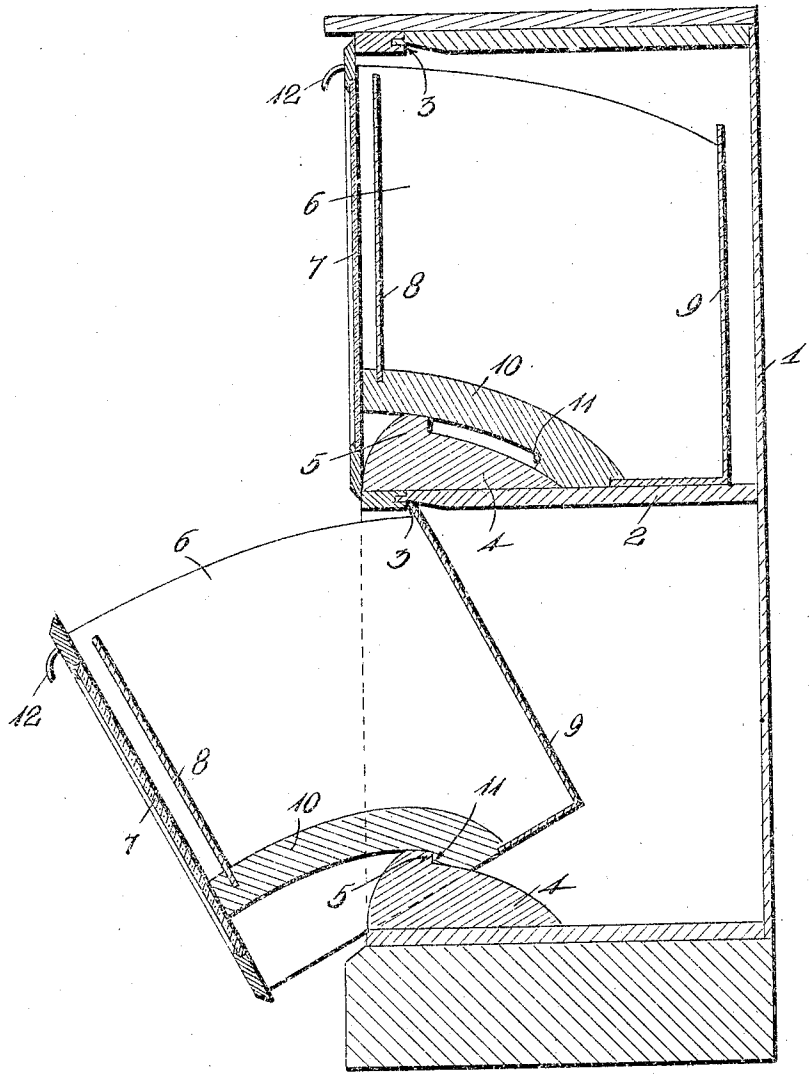
No. 897,087. PATENTED AUG. 25, 1908.

E. H. GRANT.

TILTING BIN.

APPLICATION FILED JAN. 28, 1908.



Witnesses
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UNITED STATES PATENT OFFICE.

EDGAR H. GRANT, OF MARSHALL, MICHIGAN.

TILTING BIN.

No. 897,087. Specification of Letters Patent. Patented Aug. 25, 1908.

Application filed January 28, 1908. Serial No. 412,985.

To all whom it may concern:

Be it known that I, EDGAR H. GRANT, a citizen of the United States, residing at Marshall, in the county of Calhoun and State of Michigan, have invented certain new and useful Improvements in Tilting Bins; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to whch it appertains to make and use the same.

This invention relates to improved tilting bins.

The object of the invention is to provide a simply constructed straight front tilting bin, mounted on rocker bearings to permit the bin to be tilted forward and moved on the bearing at the same time, thus providing for the extension of the larger half of the bin outside of the casing to prevent its swinging back of its own weight.

The accompanying drawing represents,—a vertical section through a wall case showing two of these improved bins mounted therein, one being in open and the other in closed position.

In the embodiment illustrated, a wall casing, 1, is shown of a suitable height, depth and length to contain the desired number and size of straight front bins. This casing is divided into a plurality of vertically spaced compartments by means of transversely arranged partitions, 2, provided near their front edges on the lower faces thereof, with a projection 3, for a purpose to be described.

Mounted in each compartment at opposite sides thereof near the front of the casing, are two bearing members, as 4, having convexed upper faces terminating at their front ends with upstanding lugs or hooks, as 5.

A bin 6, is arranged in each of the compartments of the casing and each has a straight front wall provided with a glass display front 7, having a false back 8, arranged at the back of said glass front and spaced therefrom to hold the articles to be displayed in position. The rear wall 9 of each bin extends slightly above the side walls thereof, which latter are preferably curved downwardly at their rear ends, in position to engage the projection 3 on the lower face of the transverse partition 2 above it when the bin is in its extreme outward or tilted position to assist in holding said bin against further forward movement.

Attached to the opposite sides of each bin 6, are bearing members, as 10, which extend from the front about two-thirds of the width of the bin with their lower faces curved upwardly or concaved and terminating at their inner ends in hooks, as 11, adapted to ride on the convexed upper faces of the members 4 with the hooks or lugs 5, thereof to form limiting stops for the bin to prevent its tilting outward too far. These bearing members, as 10, are preferably made in the form of a rocker and the hooked ends 11 thereof, have their faces curved to fit the curvature of the members 4 to permit their ready sliding thereon on the opening and closing of the bin. Handles 12 are provided at the upper ends of the bins for opening and closing them.

I claim as my invention,—

1. The combination with an inclosing casing having a bearing member arranged on the bottom thereof, said member having a convex upper face terminating at its front end in an upstanding lug, the surface of the upper end of said lug being convex, of a straight front bin having a bearing member at the lower end thereof provided with a concave lower face terminating at its rear end in a hook-shaped member adapted for engagement with the lug of the casing carried member, said hook member having a concave surface at its end, said lug and hook being of the same height to provide for the smooth riding of the bin carried member on the casing carried member.

2. The combination with an inclosing casing having bearing members at opposite sides thereof, said members having convexed upper faces terminating at their front ends in upstanding lugs, of a straight front bin having bearing members at opposite sides near the lower end thereof provided with concave lower faces and terminating at their rear ends in hook members for engagement with the lugs of the casing carried bearing members, said bin having means at the upper edge of its rear wall for engagement with a stop at the front edge of the casing.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

EDGAR H. GRANT.

Witnesses:

GLENN E. GRANT,

C. H. BINNEY.